

Ref. 05030016AA

Claims 1-8

Citations 1-6

Remarks:

In Citation 1, technology is disclosed in which, in an EL printer head which arranges lighting elements 2 dimensionally and which is driven by horizontal and vertical scanning circuits, use is made of the printer head width scanning direction, with multiple scanning elements being driven by respectively differing lighting amounts relative to the same spot, a gradation record being established by controlling the number of lighted elements at the time.

In Citation 2, the point is disclosed that, since the EL element lighting output is low, sufficient illumination energy can be applied relative to a photo-sensitive drum by using a printer head formed from 2 dimensionally arranged EL elements, using multiple lighting elements in the width scanning direction of the printer head, and by overlaying the lighting multiple times relative to the same spot.

In Citation 3, the points are disclosed of forming an EL element and its drive circuit on the same insulation substrate, and of constructing the drive circuit at this time from a polycrystalline silicon thin film transistor.

In Citation 4, the point is disclosed of the known technology of using design step modulation in an optical printer.

In Citation 5, with regard to a line printer, the point is disclosed of detecting positional slippage in the primary scanning direction of the recording medium, and to preventing positional slippage by shifting the print data by only the amount corresponding to the positional slippage.

In considering this, the invention relating to Claims 1-8 is nothing more than the appropriate application of the invention disclosed in Citations 1-6.

Reference Citation List

1. Japanese Laid Open Patent Publication Sho 62-284759

(Reference is made to all of the Drawings, the Efficacy of the invention; and to the notations in lower right column of p. 2; lines 13-17 of the upper right column of p. 3; lines 1-6 of the upper right column of p. 4)

2. Japanese Laid Open Patent Publication Sho 61-182966

(Reference is made to the Claims; lines 13-16 of the upper right column of p. 2; the section from line 18 of the lower left column of p. 2 to the line 4 of the lower right column; the lower right column of p. 3, and to all of the drawings).

3. Japanese Laid Open Patent Publication Hei 04-348961

(Reference is made to p. 1, the Claims, Sections [0026], [0035], and [0046], and to all of the Drawings)

4. Japanese Laid Open Patent Publication Hei 03-183574

(Reference is made to the Sector of Industrial Applications; lower left column of p. 4, and all of the Drawings)

5. Japanese Laid Open Patent Publication Hei 09-156300

(Reference is made to the Claims, Sections [0016], [0019], and all of the Drawings)

6. Japanese Laid Open Patent Publication Hei 11-198433

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Record of the Examination Results relating to Documents of  
the Prior Art

- Examined Technical Field: IPC 7th Edition

B41J2/47  
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Documents of the Prior Art

Japanese Laid-Open Patent Publication Hei 09-131919  
Japanese Laid-Open Patent Publication Hei 05-169723  
Japanese Laid-Open Patent Publication 2000-18441

The record of the examination results relating to documents of the prior art does not constitute the grounds for rejection.